

WHEREFORE, WE CLAIM

Sub A2) 1. A laser sighting device for visibly outlining an energy zone to be measured by a radiometer when measuring the temperature of a surface, said device including:

3 at least one laser adapted to project at least one laser beam toward said surface;

4 and

5 means for causing said at least one laser beam to visibly outline said energy zone.

1 2. The sighting device of claim 1 wherein said device may be removably mounted on said radiometer.

1 3. The sighting device of claim 1, wherein said device is integrally formed with said radiometer.

1 *Sub A3)* 4. The sighting device of claim 1, wherein said means for causing comprises means for rotating said at least one laser so as to cause said laser beam to rotate about the periphery of said energy zone.

1 5. The sighting device of claim 4, wherein said means for rotating comprises a motor.

1 6. The sighting device of claim 4, wherein said device further includes ~~eentering~~ means for calibrating the position of said laser beam.

1 7. The sighting device of claim 4, wherein said device further includes ~~adjusting~~

2 means for adjusting the position of said laser beam.

1 8. The sighting device of claim 1, wherein said device further includes a means

2 for pulsing said ~~laser~~ on and off ~~in a synchronized manner~~.


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1 9. The sighting device of claim 1, wherein said device includes a pair of lasers

2 positioned approximately 180 degrees apart.

1 10. The sighting device of claim 9, wherein said pair of lasers are each adapted to

2 project a laser beam toward said target and wherein said lasers are adapted to outline

3 the outer periphery of said energy zone.

1 11. A laser sighting device for visibly outlining an energy zone to be measured by

2 a radiometer when measuring the temperature of a surface, said device including:

3 a laser adapted to project at least one laser beam toward said surface; and

4 means for rotating said laser about a pivot so as to cause the laser beams to travel

5 about the periphery of the energy zone on said surface.

1 12. The sighting device of claim 11, wherein said means for rotating comprises a

2 motor adapted to cause said laser to rotate about said pivot.

1 13. The sighting device of claim 11, further including means for centering said
2 laser beam.

1 14. The sighting device of claim 11, further including means for adjusting the
2 position of said laser beam.

1 Sub 15. A laser sighting device for visibly outlining an energy zone to be measured by
2 a radiometer when measuring the temperature of a surface, said device including at least
3 two lasers positioned approximately 180 degrees apart and adapted to project a pair of
4 laser beams toward said surface on either side of said energy zone so as to outline the
5 periphery thereof.

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